Edgeport®

USB-to-Serial Converters

Easy out-of-the-box solution for I/O expansion is available in a wide variety of configurations for maximum flexibility and scalability.

Overview

Edgeport USB-to-serial converters offer instant I/O expansion for peripheral device connectivity. An out-of-the-box (external) alternative to PCI cards, Edgeport makes it easy to add serial and USB ports to a PC, server or thin client in minutes – without opening the chassis, reconfiguring or rebooting the system.

Edgeport is available in multiple configurations for maximum flexibility and scalability. Choose from compact form factors for space-prohibitive applications; single port "bump-in-the-cable" solutions for notebook expansion; software-selectable RS-232/422/485 models to connect any type of serial device to one box; metal enclosures for rugged applications; models with galvanic isolated ports for extended electrical safety; and DB-9, DB-25 or RJ-45 connectors to meet cabling requirements.

Feature-rich design, reliability and unmatched operating system support make Edgeport USB-to-serial converters ideal for mission-critical enterprise applications.

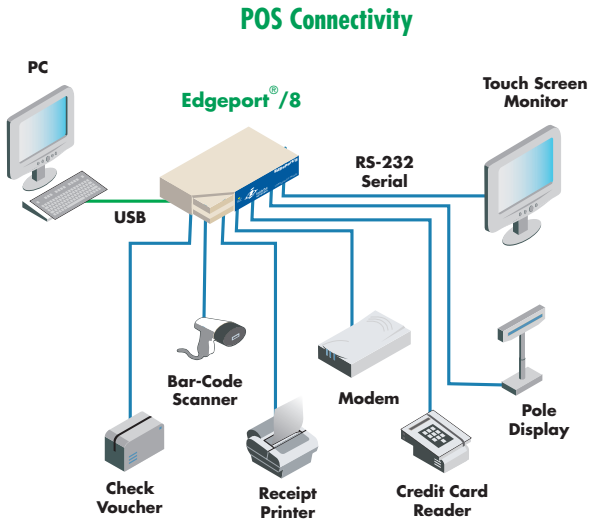
Target Applications

Industrial Automation

Retail/POS

Medical/Healthcare

Application Highlight



Features/Benefits

- Add 1, 2, 4, 8 or 16 serial ports to a PC, thin client or server in minutes
- Designed for peripheral device connectivity in retail stations, self check-out systems, emergency vehicles, kiosks, ATMs and more
- Software selectable MEI, galvanic isolated, industrial, compact and metal models
- Low total cost of ownership with external, user-installable solution

Specifications	Edgeport® Serial	Edgeport® Extended Safety	Edgeport® Industrial
Interfaces (Varies by Model)			
Serial Ports	1, 2, 4, 8 or 16	4 (separately isolated)	1, 2, 4 or 8
Serial Type	RS-232	RS-232/422/485	RS-232, RS-422, RS-422/485, software select-able RS-232/422/485
Serial Connector	DB-9, DB-25 or RJ-45	DB-9	DB-9
Serial Data Rate	230 Kbps per port simultaneously		
Downstream USB Ports	4 (16-port models only)	1 (separately isolated)	0
Features			
USB	USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0 and USB 3.0; USB-IF certified; Plug and Play		
LEDs	Tri-state LED displays device status and COM port activity		
Operating Systems	Windows® 8, Windows 7, Windows Vista®, Windows Server 2012, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows CE 5, Windows CE 6 (x86 only), Windows Server® 2003 R2, Windows 2000; Linux*, Sun Solaris (SPARC)**		
Cables	1-meter USB cable		
Other (General)	Automatic port reacquisition; COM port assignments maintained across reboots; Full hardware and software flow control; No additional IRQ or memory address requirements; Low power consumption; Rack mountable; Hot-swappable; Bulk packaging and customized cabling options		
Other (Model-Specific)	N/A	2.0 kV DC galvanic isolation on all ports	N/A
Power Requirements			
Power Supply	External power supply not required for models without USB ports (USB powered); Models with USB ports (Edgeport/421, Edgeport 416) ship with plug-mounted power supply: 120/230VAC 60/50 Hz at 5VDC @ 3 Amps max		
Environmental			
Operating Temperature	0° C to 55° C (32° F to 131° F)		
Relative Humidity	0% to 95% (non-condensing)		
Regulatory Approvals			
Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950		
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024		

*Driver support provided by Linux USB maintainers.
**Driver support provided by Sun.

Specifications	Edgeport® Compact	Edgeport® Metal
Interfaces (Varies by Model)		
Serial Ports	2	2 or 4
Serial Type	RS-232	RS-232
Serial Connector	DB-9	
Serial Data Rate	230 Kbps per port simultaneously	
Downstream USB Ports	2	0
Other Ports	N/A	N/A
Features		
USB	USB 1.0 and USB 1.1 compatible; backwards compatibility for USB 2.0 and USB 3.0; USB-IF certified; Plug and Play	
LEDs	Tri-state LED displays device status and COM port activity	
Operating Systems	Windows® 8, Windows 7, Windows Vista®, Windows Server 2012, Windows Server® 2008 R2, Windows XP®, Windows XP Embedded, Windows CE 5, Windows CE 6 (x86 only), Windows Server® 2003 R2, Windows 2000; Linux*, Sun Solaris (SPARC)**	
Cables	Captive 2-meter cable for secure connection in rugged environments (mobile computing)	1-meter USB cable
Other (General)	Automatic port reacquisition; COM port assignments maintained across reboots; Full hardware and software flow control; No additional IRQ or memory address requirements; Low power consumption; Rack mountable; Hot-swappable; Bulk packaging and customized cabling options	
Other (Model-Specific)	N/A	Aluminum chassis; Designed for rugged environments (emergency vehicles, restaurant kitchens); Rack mount bracket for added security
Power Requirements		
Power Supply	USB powered	
Environmental		
Operating Temperature	0° C to 55° C (32° F to 131° F)	
Relative Humidity	0% to 95% (non-condensing)	
Regulatory Approvals		
Safety	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950	
Emissions/Immunity	CE, FCC Part 15 Class B, EN55022, EN55024	

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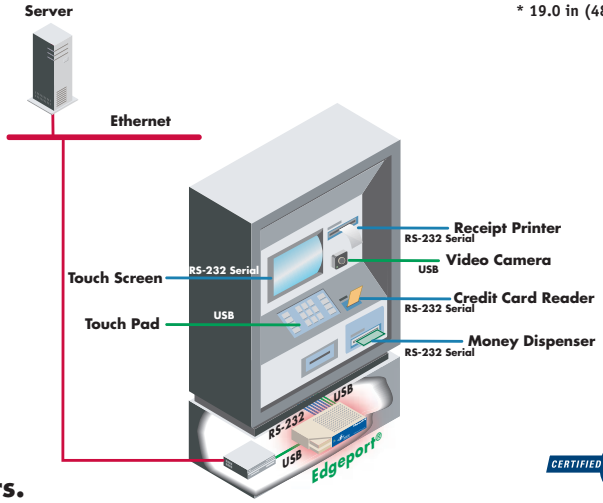
Measurements

	Edgeport/1, 1i Length: 3.15 in (8.00 cm) Width: 1.75 in (4.40 cm) Height: 0.80 in (2.03 cm) Weight: 1.60 oz (45.36 g)
	Edgeport/2m, 4m Length: 4.30 in (10.92 cm) Width: 8.00 in (20.32 cm) Height: 1.36 in (3.45 cm) Weight: 10.00 oz (311.00 g)
	Edgeport/2c, 22c Length: 2.38 in (6.04 cm) Width: 3.94 in (10.00 cm) Height: 1.00 in (2.54 cm) Weight: 5.00 oz (141.75 g)
	Edgeport/416, 416/DB-25, 8/DB-25 Length: 5.00 in (12.70 cm) Width: 17.00* in (43.118 cm) Height: 1.80 in (4.53 cm) Weight: 41.30 oz (1170.84 g)
	Edgeport/4/DB-25, 8, 8s MEI Length: 4.35 in (11.05 cm) Width: 7.20 in (18.29 cm) Height: 1.75 in (4.45 cm) Weight: 16.00 oz (453.59 g)
	Edgeport/2, 2i, 4, 4s MEI, 4s MEI Isolated, 8r Length: 4.35 in (11.05 cm) Width: 7.20 in (18.29 cm) Height: 1.03 in (2.61 cm) Weight: 10.00 oz (311.00 g)

* 19.0 in (48.26 cm) with optional rack mount ears



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